



TROPICAL CYCLONE BULLETIN NO. 22

Tropical Storm PAENG (NALGAE)

Issued at 2:00 AM, 30 October 2022

Valid for broadcast until the next bulletin at 5:00 AM today

“PAENG” WEAKENS INTO A TROPICAL STORM AND IS ABOUT TO EXIT THE LANDMASS OF LUZON

Location of Center (1:00 AM):

The center of Tropical Storm “PAENG” was estimated based on all available data including those from Tagaytay and Subic Doppler Weather Radars **in the vicinity of Candelaria, Zambales (15.7°N, 120.1°E)**

Intensity:

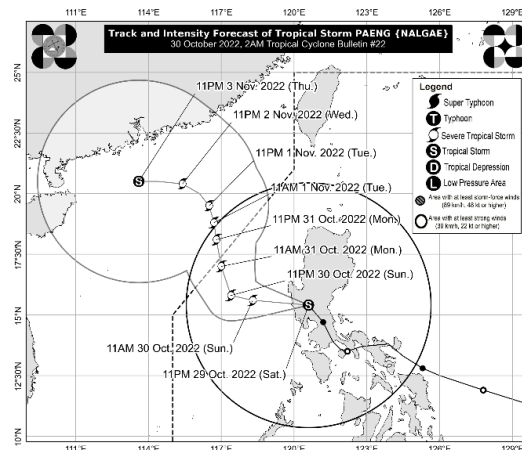
Maximum sustained winds of **85 km/h** near the center, gustiness of up to **140 km/h**, and central pressure of **990 hPa**

Present Movement:

Northwestward at 25 km/h

Extent of Tropical Cyclone Winds:

Strong to gale-force winds extend outwards up to **560 km** from the center



TRACK AND INTENSITY FORECAST

| Date and Time | Center Position | | | Intensity | | Movement dir. and speed (km/h) |
|--|-----------------|-----------|--|------------|------|--------------------------------|
| | Lat. (°N) | Lon. (°E) | Location | MSW (km/h) | Cat. | |
| 12-Hour Forecast 11:00 AM 30 October 2022 | 15.6 | 118.3 | 160 km West of Iba, Zambales | 95 | STS | W 20 |
| 24-Hour Forecast 11:00 PM 30 October 2022 | 15.8 | 117.4 | 270 km West Northwest of Iba, Zambales | 100 | STS | WNW 10 |
| 36-Hour Forecast 11:00 AM 31 October 2022 | 17.0 | 117.0 | 365 km West of Dagupan City, Pangasinan | 100 | STS | NNW 10 |
| 48-Hour Forecast 11:00 PM 31 October 2022 | 18.1 | 116.8 | 390 km West of Sinait, Ilocos Sur (Outside the PAR) | 110 | STS | N 10 |
| 60-Hour Forecast 11:00 AM 01 November 2022 | 18.8 | 116.7 | 405 km West of Laoag City, Ilocos Norte (Outside the PAR) | 110 | STS | N slowly |
| 72-Hour Forecast 11:00 PM 01 November 2022 | 19.5 | 116.5 | 510 km West of Calayan, Cagayan (Outside the PAR) | 100 | STS | NNW slowly |
| 96-Hour Forecast 11:00 PM 02 November 2022 | 20.4 | 115.4 | 670 km West of Basco, Batanes (Outside the PAR) | 95 | STS | NW slowly |
| 120-Hour Forecast 11:00 PM 03 November 2022 | 20.5 | 113.6 | 870 km West of Extreme Northern Luzon (Outside the PAR) | 85 | TS | W 10 |



TROPICAL CYCLONE BULLETIN NO. 22

Tropical Storm PAENG (NALGAE)

Issued at 2:00 AM, 30 October 2022

Valid for broadcast until the next bulletin at 5:00 AM today

| TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT | | | |
|---|--|----------------|----------|
| TCWS No. | Luzon | Visayas | Mindanao |
| 2 Wind threat: Gale-force winds | Pangasinan, La Union, the southern portion of Ilocos Sur (City of Candon, Banayoyo, Galimuyod, Sigay, Suyo, Santa Lucia, Santa Cruz, Alilem, Tagudin, Sugpon, Cervantes, Quirino, Gregorio del Pilar, Salcedo, Lidlidda, San Emilio, Santiago, Burgos, Santa Maria, San Esteban), Benguet, the western and southern portions of Nueva Vizcaya (Kayapa, Aritao, Santa Fe, Dupax del Sur, Alfonso Castaneda, Bambang, Dupax del Norte, Ambaguio, Bayombong), the southern portion of Aurora (San Luis, Baler, Dingalan, Maria Aurora), Nueva Ecija, Zambales, Tarlac, Pampanga, Bulacan, Bataan, Metro Manila, the northeastern and western portions of Laguna (Mabitac, Cabuyao City, City of San Pedro, City of Calamba, Pangil, Santa Maria, Siniloan, City of Bisan, City of Santa Rosa, Famy, Pakil), the northwestern portion of Batangas (Nasugbu), Rizal, Cavite, and the northern portion of mainland Quezon (General Nakar, Infanta) | - | - |
| | Warning lead time: 24 hours Range of wind speeds: 62 to 88 km/h (Beaufort 8 to 9) Potential impacts of winds: Minor to moderate threat to life and property | | |
| 1 Wind threat: Strong winds | Cagayan including Babuyan Islands, Isabela, Quirino, the rest of Nueva Vizcaya, Apayao, Kalinga, Abra, Ifugao, Mountain Province, Ilocos Norte, the rest of Ilocos Sur, the rest of Aurora, the rest of Batangas, the rest of Quezon including Pollilo Islands, the rest of Laguna, Marinduque, Occidental Mindoro including Lubang Islands, Oriental Mindoro, Calamian Islands, Romblon, Camarines Norte, Camarines Sur, the western portion of Albay (Polangui, Libon, Tiwi, Malinao, Oas), and Burias Island | Caluya Islands | - |
| | Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property | | |
| Tropical Cyclone Wind Signals in other areas are hereby lifted | | | |



TROPICAL CYCLONE BULLETIN NO. 22

Tropical Storm PAENG (NALGAE)

Issued at 2:00 AM, 30 October 2022

Valid for broadcast until the next bulletin at 5:00 AM today

| HAZARDS AFFECTING LAND AREAS |
|--|
| <p>Heavy Rainfall</p> <ul style="list-style-type: none"> • <i>Through this morning:</i> Heavy to intense rains possible over Zambales, Bataan, and the northern portion of mainland Cagayan. Moderate to heavy rains possible over the rest of mainland Cagayan Valley, Cordillera Administrative Region, Pangasinan, and the rest of Central Luzon. Light to moderate with at times heavy rains possible over Western Visayas, Metro Manila, and the rest of Luzon. • Widespread flooding and rain-induced landslides are still expected, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall. <p>Severe Winds</p> <ul style="list-style-type: none"> • Winds reaching gale-force strength are possible within any of the areas where Wind Signal No. 2 is in effect. Areas under Wind Signal No.1 may experience strong winds (strong breeze to near gale strength) throughout the passage of the tropical cyclone. • The outer circulation of PAENG and the surge of the Northeast Monsoon will also bring gusty condition reaching strong to gale-force strength over the rest of Luzon and Western Visayas. These conditions are especially likely in coastal and upland/mountainous areas. <p>Coastal Inundation</p> <p>There is minimal risk of storm surge of up to 2.0 m in height which may cause inundation or flooding in the low-lying and exposed coastal areas of Zambales and the western portions of Bataan and Pangasinan For more information refer to Storm Surge Warning #8 issued at 2:00 AM today.</p> |
| HAZARDS AFFECTING COASTAL WATERS |
| <p>Under the influence of the surge of the Northeast Monsoon and PAENG, a marine gale warning remains in effect over the seaboard of Luzon and Visayas and the eastern seaboard of Mindanao. For more information, refer to Gale Warning #13 issued at 5:00 PM yesterday.</p> |
| TRACK AND INTENSITY OUTLOOK |
| <ul style="list-style-type: none"> • Tropical Storm PAENG will exit the landmass of Luzon in the coming hour. It is then forecast to track generally westward or west northwestward today over the Philippine Sea before turning and moving north northwestward until Tuesday. On the track forecast, this tropical cyclone may exit the Philippine Area of Responsibility tomorrow morning or afternoon. • PAENG is forecast to re-intensify into a severe tropical storm over the West Philippine Sea. |

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 5:00 AM today.

DOST-PAGASA

Prepared by:  **RPG**

Checked by:  **JEMB**